Executive Order VR-101-B

Exhibit 3

Manufacturers Performance Standards and Specifications

The performance standards and specifications contained in this Exhibit shall establish the minimum requirements by which vapor recovery components shall be manufactured, warranted, and offered for sale. These specifications shall verify the minimum parameters by which CARB shall determine compliance with certification.

Pressure/Vacuum Vent Valves for Storage Tank Vent Pipes

- 1. Each Pressure/Vacuum Vent Valve (P/V Valve) shall be 100 percent performance tested at the factory. Each P/V Valve shall be shipped with a card or label stating the performance specifications listed below, and a statement that the valve was tested to, and met, these specifications.
 - a. The pressure settings for the P/V Valve Positive pressure setting of 3.0 ± 0.5 inches H_2O . Negative pressure setting of 8.0 ± 2.0 inches H_2O .
 - b. The leak rate for each P/V Valve, including connections, shall not exceed: 0.05 CFH at 2.0 inches H₂O. 0.21 CFH at -4.0 inches H₂O.
- 3. Each P/V Valve shall have permanently affixed to it a yellow or gold label with black lettering listing the positive and negative pressure settings specified above.

Spill Container and Drain Valves

- 1. Spill Containers and all internal components contained within a Spill Container shall be compatible with any and all fuel blends in common use in California, including seasonal changes, and approved for use as specified in Title 13, CCR, section 2260, et seq.
- 2. Each Spill Container Drain Valve shall be 100 percent performance tested at the factory. Each Spill Container shall have affixed to it a card or label stating the performance specifications listed below, and a statement that the valve was tested to, and met, the following specification.
 - a. The leak rate for the Spill Container Drain Valve meets or exceeds the following specification: ≤0.17 CFH at 2.00 inches H₂O

Rotatable Product and Vapor Recovery Adaptors

- 1. The rotatable product and vapor recovery adaptors shall not leak.
- 2. Rotatable product and vapor recovery adaptors shall be capable of rotating at least 360 degrees when used in conjunction with any product or vapor recovery elbow used to connect to cargo tanks.

- 3. The vapor recovery adaptor cam and groove shall be manufactured in accordance with the standard described in Commercial Item Description, CID A-A-59326.
- 4. The rotatable product adaptor cam and groove shall be manufactured in accordance with the cam and groove standard specified by CARB as shown in Figure 3B.
- 5. Each rotatable product and vapor recovery adaptor shall be 100 percent performance tested at the factory. Each adaptor shall have affixed to it a card or label stating the performance specification listed below, and a statement that the adaptor was tested to, and met, the following specification.
 - a. The average static torque for the rotatable adaptor meets or exceeds the following specification: maximum 108 pound-inch average static torque.

Product and Vapor Recovery Adaptor Dust Caps

1. Dust caps shall not leak when installed on vapor recovery or product adaptors. Dust caps shall be factory tested to ensure compatibility with the cam and groove standards for rotatable adaptors as specified in Section 3 of CP-201.

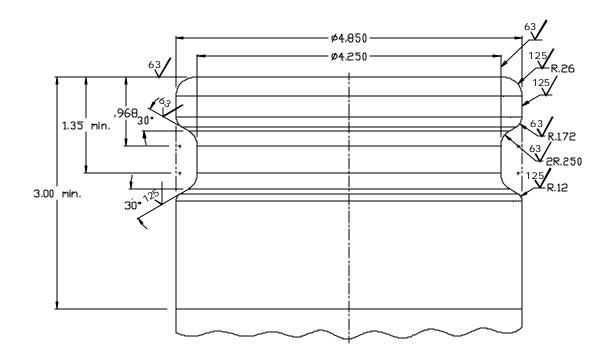
Figure 3A

Manufacturers Component Standards or Specifications

Component	Test Method	Standard or Specification
Rotatable Phase I Adaptors	Exhibit 4	Minimum, 360-degree rotation Maximum, 108 pound-inch average static torque
Drop Tube/Drain Valve Assembly	Exhibit 5	≤0.17 CFH at 2.00 inches H₂O
Drain Valve Assembly Only	Exhibit 5 or equivalent	≤0.17 CFH at 2.00 inches H₂O
Rotatable Vapor Recovery Adaptor	Micrometer	Cam and Groove Standard CID A-A-59326
Rotatable Product Adaptor	Micrometer	Cam and Groove Standard CARB Standard (Figure 3B)
UST, Fittings and Connections	TP-201.3	2.00 inches H₂O - 5 minutes
Pressure/Vacuum Vent Valve	TP-201.2B Appendix 1	Positive Pressure: 3.0 ± 0.5 inches H_2O Negative Pressure: 8.0 ± 2.0 inches H_2O Leakrate: ≤ 0.05 CFH at $+2.0$ inches H_2O ≤ 0.21 CFH at -4.0 inches H_2O

Figure 3B

CARB Product Adaptor Cam and Groove Standard



UNLESS OTHERWISE SPECIFIED		
DIMENSIONS ARE IN INCHES		
TOLERANCES ON DECIMALS		
,XXX ± ,005		
.XX ± .01		
ANGLES ± 0.5°		